	Application No.	Applicant(s)
Notice of Allowability	09/872,333	IBORRA ET AL.
	Examiner	Art Unit	
	Satish S. Rampuria	2191	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *02/13/2006*.

2. ☒ The allowed claim(s) is/are *1-4, 10 and 13-63*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date *5/31/05, 12/27/05*
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *4/26/06* .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

DETAILED ACTION

1.   This action is in response to the Amendment filed on Feb 13, 2006.

2.   Claims 1-4, 10, 13-63 are allowed.

3.   Claims 5-9 and 11-12 are cancelled by the Applicant.

4.   Claims 1-4, 10, 14, 16, 20, 22-26, 28, 32-33, 35 and 39 are amended by the

Applicant.

5.   New claims 40-63 are added.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Ronald Craig Fish (Reg. No. 28,843) on April 26, 2006.

IN THE CLAIMS

Please amend claims 2, 4 and 26 as follows.

Claim 2. (currently amended),

At line 1, delete [An] and add --A computer--.

Claim 4. (currently amended),

At line 1, delete [An] and add --A computer--.

Claim 26. (currently amended),

At line 1, delete [An] and add --A computer--.

--END--

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

As pointed out by the Applicants in the Remark that the cited prior art (Ryu et al. [5,484,718]) taken alone or in combination fail to teach, in combination with the other claimed limitations, a code verification system, comprising: *"validating a Formal Language Specification written in a formal Language which has predetermined rules of syntax and semantics, said Formal Language Specification defining a computer program to be automatically written; automatically translating each element of a Formal Language Specification defining an object model, a functional model, a dynamic model and a presentation model, which taken together define the requirements of the program to be automatically written, into a full and complete computer program which needs no additional third party source code or source code from existing components or code libraries to be compiled with it to make said computer program complete and which implements the requirements of said Formal Language Specification, said Formal Language Specification defining at least an identification function for every class, and at least a valuation for every variable attribute... using a computer, automatically write computer code that will request user name and password, receive any responses and authenticate the user; using a computer, automatically write computer code that has the*

capability to control a computer to provide a mechanism to determine a user's privilege level from log in information supplied by said user which identifies said user and query said Formal Language Specification and determine all object attributes said user has privilege to see and all services said user has privileges to invoke; using a computer, automatically write computer code which has the capability to query said Formal Language Specification for all services of all classes that any authorized user has privileges to invoke and identify an object server which will implement each said service; using a computer, automatically write code that has the capability to retrieve service arguments for all services; using a computer, automatically write code that is capable of controlling a computer to provide a means by which an entity has a mechanism to invoke a service, and which has a mechanism to receive input to invoke a particular service and respond by sending a message to the appropriate object server to invoke the service, said message including the arguments required for the service to execute; using a computer, automatically write code that has the capability to control a computer to implement an object server for every service, each of which first checks to verify that state transitions are valid for the current state of objects the object service will be altering the state; using a computer, automatically write code that has the capability to control a computer to implement every object server that verifies preconditions are satisfied before making state transitions of any objects the states of which are acted upon by the object server; using a computer, automatically write code has the capability to control a computer to make all valuation calculations required by said Formal Language Specification of each object server; using a computer, automatically write

code has the capability to control a computer to verify that integrity constraints specified in said Formal Language Specification on the values of attributes of objects have been satisfied after execution of a service and respond by reversing any changes in state which caused said integrity constraint to be violated if said integrity constraints are not satisfied; and *using a computer, automatically write code has the capability to control a computer to implement every object server such that said object server tests trigger relationships specified in said Formal Language specification after execution of a service and invoke a predetermined service associated with a trigger event if said trigger event has occurred"* as recited in such a manner in each of independent claims 1-4, 10, 13, 14, 26, 33 and 40 and as pointed out by Applicant in the Remarks.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Satish S. Rampuria whose telephone number is (571) 272-3732. The examiner can normally be reached on 8:30 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y. Zhen can be reached on (571) 272-3708. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Art Unit 2191

WEI ZHEN
SUPERVISORY PATENT EXAMINER